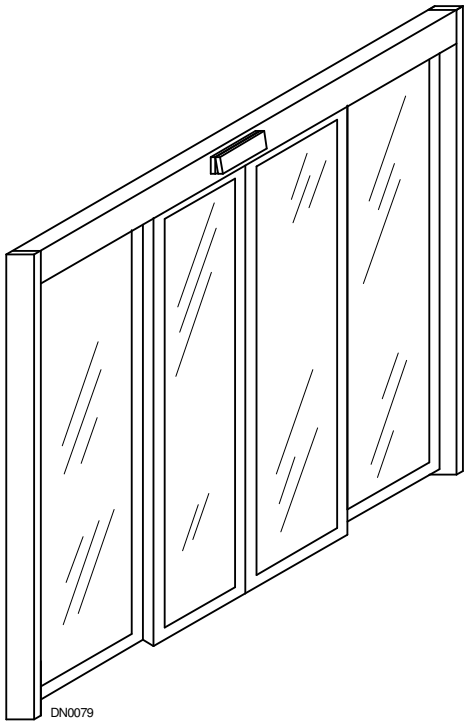
S82 W18717 Gemini Drive
PO Box 906
Muskego, WI 53150
Phone: (877) 622-2694
Fax: (888) 679-3319
www.nabcoentrances.com

Model 1175
Whisper Slide Sliding Door Package
with U30 Control
Mechanical Installation Manual



WARNING

Do not install, operate or service this product unless you have read and understand the Safety Practices, Warnings, Installation and Operating Instructions contained in this manual. Failure to do so may result in property damage, or bodily injury.

15-9244-30
Rev 05-11-10

Table of Contents

CAUTION!

IMPORTANT INFORMATION FOR THE INSTALLER AND OWNER

Read all of this First!

Read these safety practices before installing, operating or servicing the automatic door. Failure to follow these practices may result in serious consequences.

Read, study and understand the operating instructions contained in or referenced in this manual before operating. If you do not understand the instructions, ask the installing qualified technician to teach you how to use the door.

Do not install, operate or service this product unless you have read and understand the Safety Practices, Warnings, Installation and Operating Instructions contained in this manual. Failure to do so may result in property damage, or bodily injury.

This manual and the owners' manual must be given to and retained by the purchasing facility or end user.

1. If the door appears broken or does not seem to work correctly, it should be immediately removed from service and a qualified service technician contacted for corrective action.
2. Disconnect power at the fused disconnect during all electrical or mechanical service. When uncertain whether power supply is disconnected, always verify using a voltmeter.
3. All electrical troubleshooting or service must be performed by qualified electrical technicians and must comply with all applicable governing agency codes.
4. It is the responsibility of the installing door technician to install all warning and instructional labels in accordance with ANSI A156.10.
5. It is the responsibility of the purchasing facility or end user to keep warning and instructional labels and literature legible, intact and with the door.
6. Replacement labels and literature may be obtained from local NABCO Entrances Inc. distributors. For the name of a local distributor, contact NABCO Entrances Inc. at (877-622-2694) for assistance.
7. Do not place finger or uninsulated tools inside the electrical control box. Touching wires or other parts inside the enclosure may cause electrical shock, serious injury or death.

TO THE INSTALLER:

The purpose of this manual is to familiarize the purchaser with the proper installation and operation of this system. It is essential that this equipment be properly installed and operational before the door is used by the public. It is the installer's responsibility to inspect the operation of the entrance system to be sure it complies with any applicable standards. In the United States, ANSI Standard 156.10 covers the GT1175 Slide Door System. Other local standards or codes may apply. Use them in addition to the ANSI standard. The GT1175 is listed with the Underwriters Laboratory and is identified as such on the label.

Instruct the building owners and operator on the essentials of the operation of the door and this device. The owner should follow these instructions to determine whether the door is operating properly and should immediately call for service if there is any malfunction. All installation changes and adjustments must be made by qualified, NABCO trained technicians.

OBJECTIVE:

The GT1175 is designed to be installed in the frame or to the surface of the frame of a door opening. The door function is controlled by the Microprocessor Control. This control offers many features to accommodate most installation options. This manual offers step by step instructions to install the GT1175. Refer to Setup and Programming Manual 15-9000-30 for setup of the Microprocessor Control. Refer to the Electrical Installation Manual for Sliders
15-10596-30 for electrical diagrams. A trouble shooting section is found in Electrical Installation Manual for Sliders 15-10596-30.

SPECIFICATIONS:

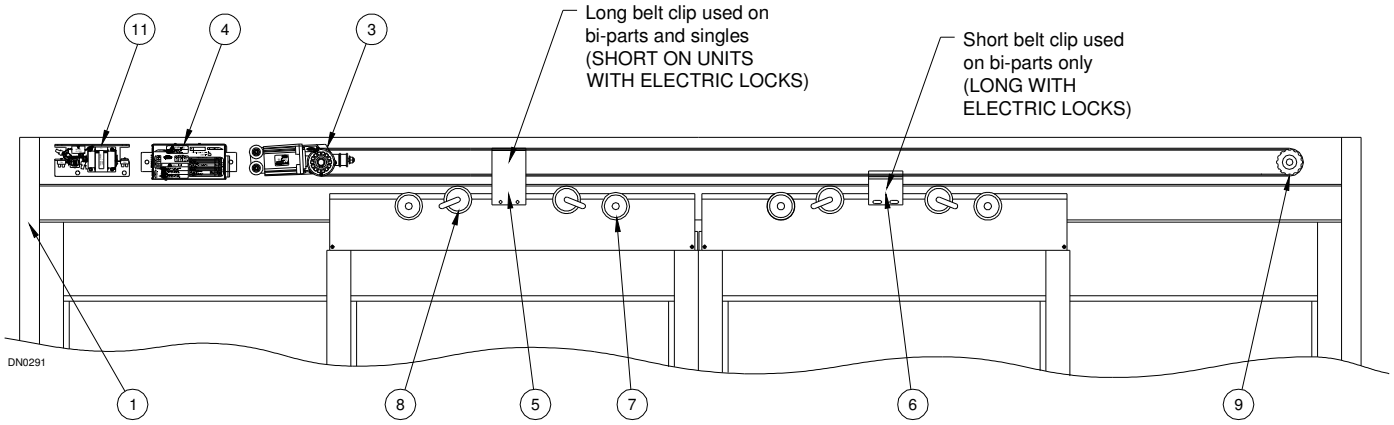
Power input:	120 (±10%) AC 50-60 Hz, 10 Amps
Available current for accessories:	U Series Control 0.35 Amps 12 Volts DC
Available wire size for incoming power:	14 AWG

- Electrical conduit and switch or sensor wires should be pulled through the frame before mounting the GT1175 System.

  NOTE: TO PREVENT ELECTRICAL INTERFERENCE FOR THE 120 VAC LINE, ALWAYS ROUTE 120 VAC POWER IN FROM THE END OF THE HEADER THAT IS OPPOSITE TO THE CONTROLLER AND MOTOR/OPERATOR. REFER TO ELECTRICAL MANUAL P/N 15-10596-30 FOR MORE INFORMATION.

Tool List:

7/16" Wrench: Box or Open End	Phillips Screwdrivers: #2 and #3
9/16" Wrench: Box or Open End	Slotted Screwdrivers: small and medium
15/16" Wrench: Box or Open End	Hand Drill: Electric and Cordless
3/8" Drive Socket Wrench	Drill Bits: 1/8"
3/8" Socket	7/32"
9/16" Socket	1/4" Masonry
6" Socket Extension	82 Deg. Countersink
Allen Wrenches: 3/32" and 3/16"	Broom
	Tape Measure



1. Jamb Tube
2. Power Cut Off Switch
3. Operator
4. Control
5. Belt Clip (Upper)
7. Roller
8. Anti-Riser
9. Idler
10. Handy Terminal Connector
11. Power Supply

There are four basic types of installation: Full Open, Fixed Sidelite, Surface Applied and Pocketed. All units start with Section A. Follow the directions for your unit.

A. Masonry Opening (MO) Preparation

1. Check floor across entire opening. Make sure installation area is level.
2. Allow for tile or other materials that may change floor height.
3. MO width should be package width plus 1/4 inch per side. (See Figure 2).
4. Check track recesses if used. Note that track recess is under jamb tubes as well as track. It can be across door opening as well. (See Figure 2 and 3).

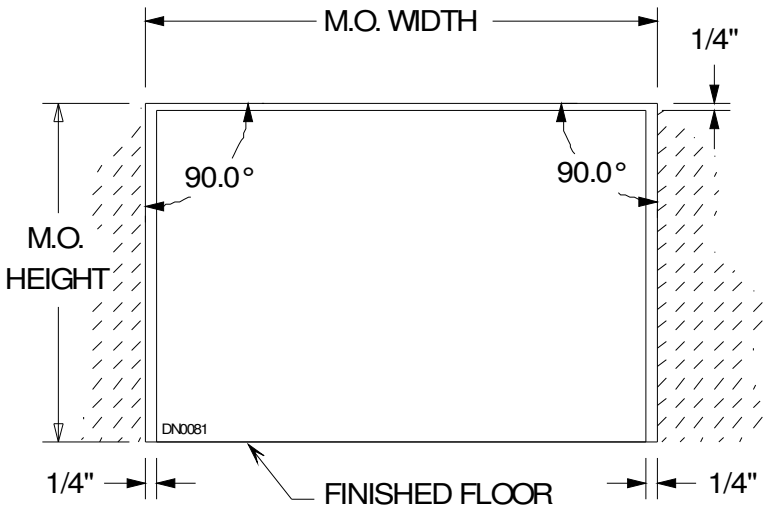


Figure 2

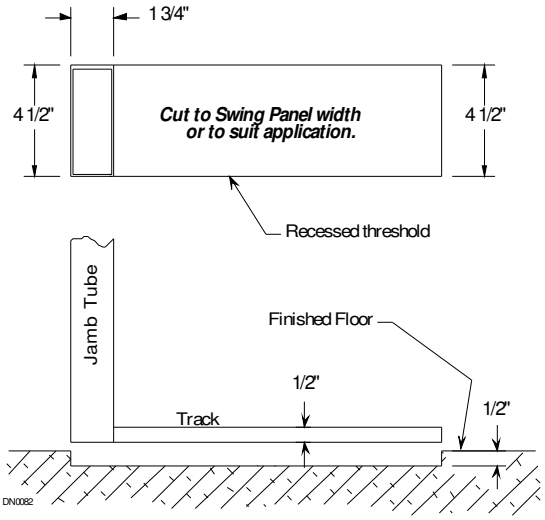


Figure 3

B. Framing and Header Assembly

1. Place header on a flat surface with removable cover facing up. Protect header from scratches.
2. Remove two screws from bottom of cover. Open cover (See Figure 4). Remove parts box. Set aside.
3. Position jamb tubes on each end of header. Fasten with provided 1/4-20 x 1 inch bolts into rivnuts in jambs (See Figure 5). Refer to label on jamb for proper location.
4. Lift header and jamb tubes into position.
5. Level header assembly by shimming under appropriate jamb if necessary.

Note: Unless it was a specially ordered unit, the access cover on fixed sidelites and surface applied units with wall track is on the exterior. On Full Open and Pocketed units, it is on the interior.

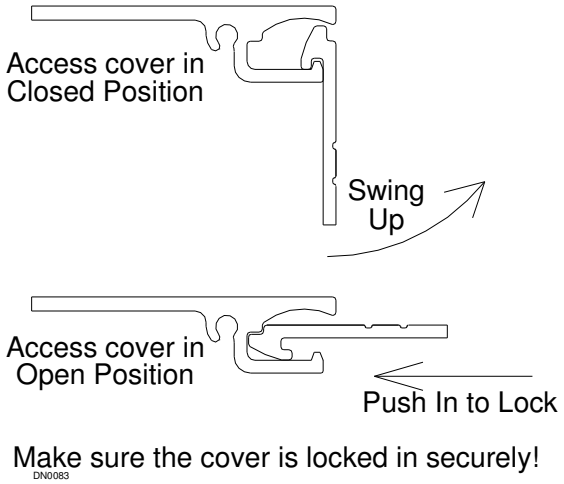


Figure 4

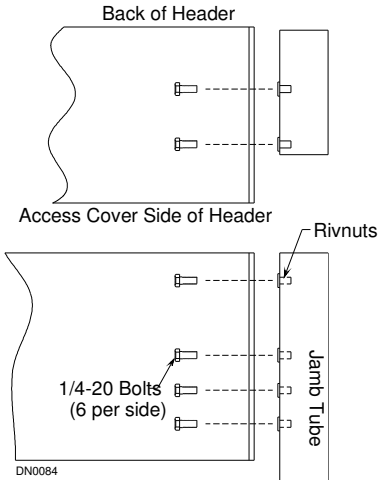


Figure 5

6. Plumb one jamb tube in both planes. If required, shim back of jamb (See Figure 6). Fasten jamb to building.
7. Plumb and securely fasten other jamb.

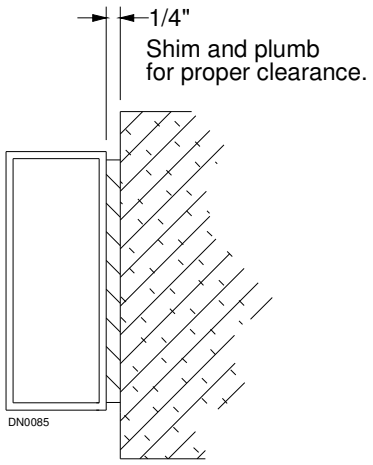


Figure 6

• **For Full Open and Pocketed units, continue with Section C - Pg. 7**

• **For Surface Applied units, go to Section G - Pg. 12**

• **Fixed Sidelite units, go to Section F - Pg. 12**

C. Installation of Floor Track

(Full Open & Pocket Units ONLY)

NOTE: Figure 7 illustrates dimensions of surface and recessed floor track for Full Open and Pocketed units. Installation of track is relatively the same between the two tracks.

1. Snap chalk line on floor from jamb to jamb (See Figure 8) on interior side of building. Dimensions shown are for a Full Open, not a Pocketed unit. Pocketed track is 6-3/8" wide.
2. Floor track is factory cut the same width as swing panel (SO). Extending the floor track across entire opening is optional. Contact customer service at (877) 622-2694 to order additional track.

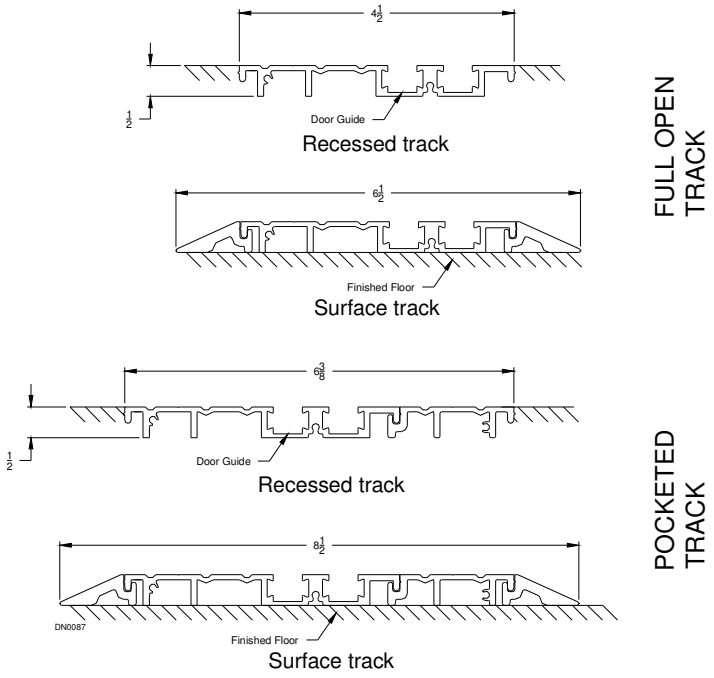


Figure 7

NOTE: Install a filler cap in clear opening when extending floor track across entire door opening. This will be factory installed when full length track is specified at ordering (See Figure 10). Track has filler strips in door opening. Filler strips removed under SO panel (See Figure 9).

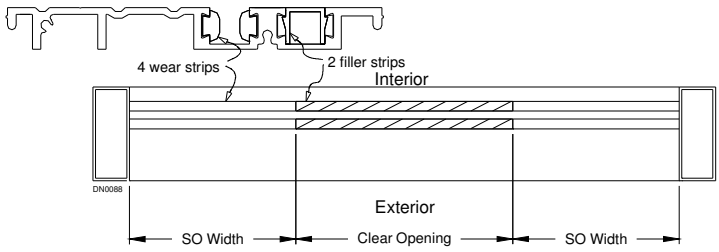


Figure 9

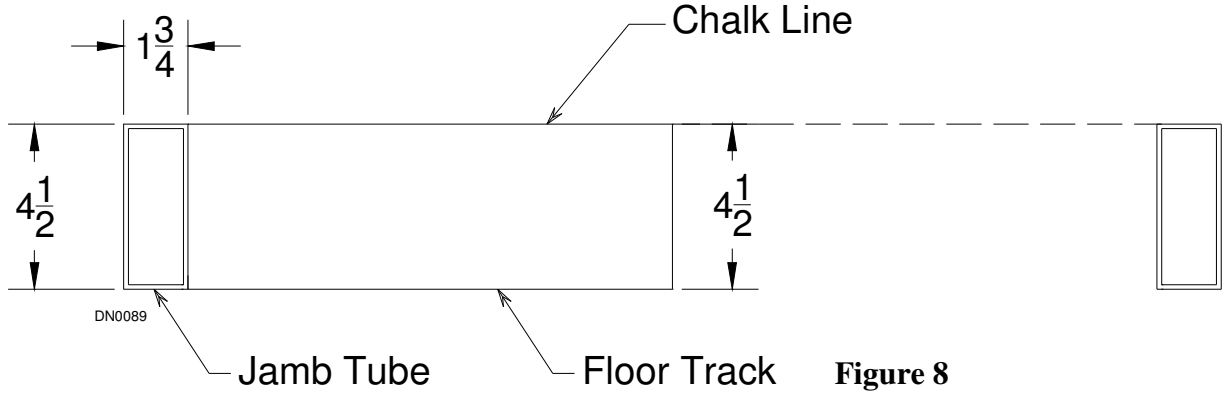


Figure 8

3. Locate track flush with chalk line. Check floor track location with plumb bob from header. It should be 1/8" inset from header (See Figure 10).
4. Mark location of track holes on floor. Fasten track to floor with plastic anchors and #10 x 1-1/2 inch screws provided in parts box.
5. The extrusion for the threshold on full open and pocketed units is designed to install in-line with jamb tubes. This makes recessing the floor track simple. A 1/2 inch deep by 4-1/2 inch wide (6-3/8 inch on pocketed units) channel across entire opening is all that is required for recessing the unit. Jamb tubes are recessed into floor with threshold.
6. A screw spline has been extruded on the underside of the threshold. Stainless steel caps and screws are supplied in parts box to seal off exposed end of threshold. If screws install tightly, try drilling spline with a 1/8" dia. drill bit (See Figure 11).

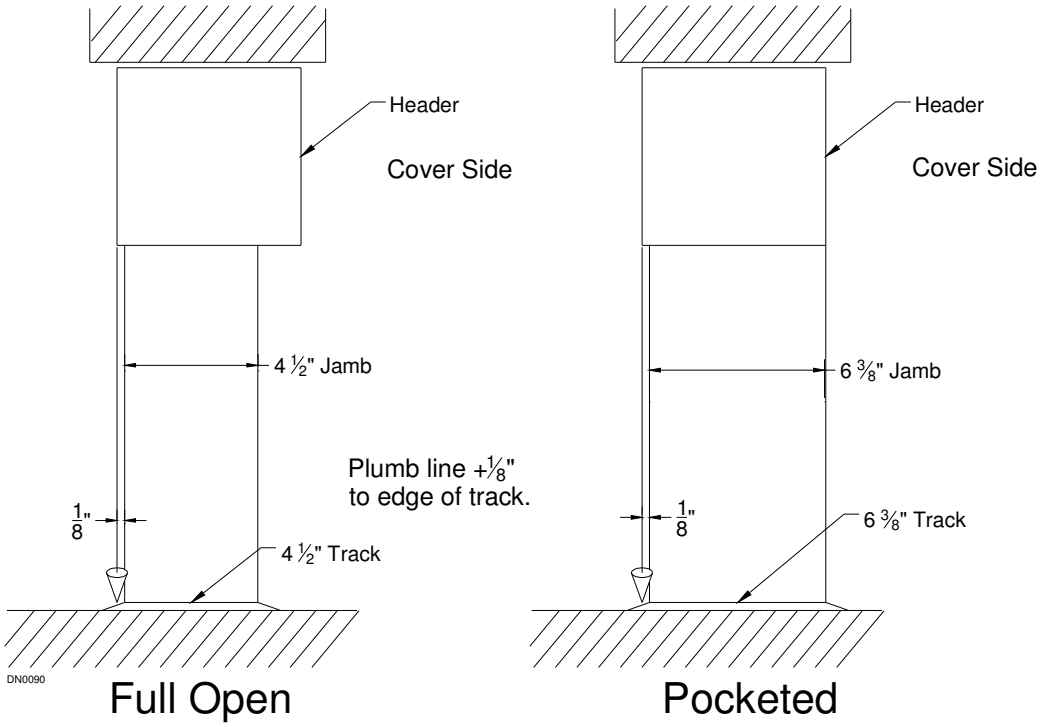


Figure 10

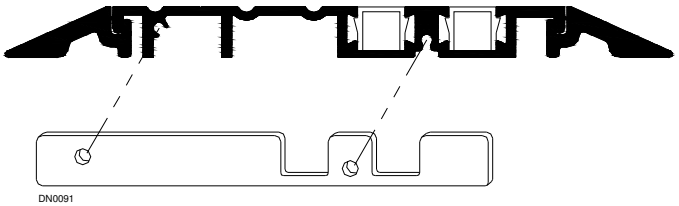


Figure 11

NOTE: If you would like to retrofit an older installation with this closeout, contact customer service to request the caps (PN 24-9857-10 for Full Open, 24-9857-20 for Pocketed) and three screws (PN 24-0094-12). If the screw spline is not in the track, new threshold should be ordered as well. One set of the above parts for each exposed track.

D. Installation of Swing Panel

1. Locate swing panel pivot in parts box.
2. Install pivot into jamb by rotating it into cutout in jamb and fastening it with a 1/4-20 x 3/4 inch screw (See Figure 12).
3. Drill through barrel of pivot bracket into track with a 7/32 inch drill.
4. Install self tapping 1/4-20 x 1 inch screw down barrel of pivot into track.
5. Install nylon guide into barrel of pivot.
6. Locate swing panel. It will have a ball detent at top and bottom of nose stile.

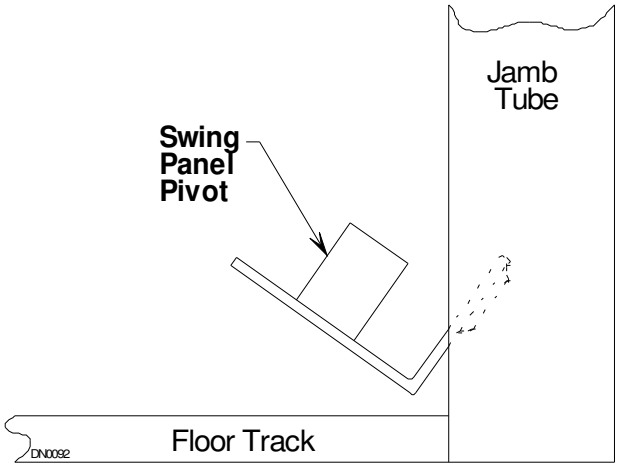


Figure 12

• **For Pocketed Units, skip to Step 10 - Pg. 10**

7. Remove switch assembly from jamb. Save screws for reinstallation (See Figure 13). Optional key switches with the same functions are available from customer service. See chart for a description of switch functions.

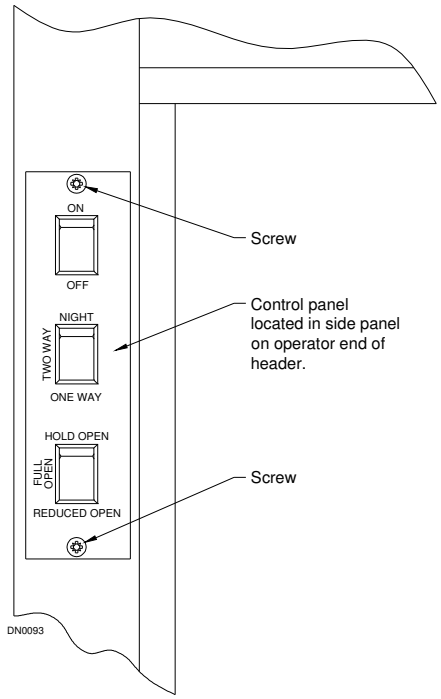


Figure 13

Control Panel Switches	Option	Function
Top	1. On 2. Off	1. Turns unit on. 2. Turns unit off.
Middle	1. Night 2. Two Way 3. One Way	1. Limits access to door by turning off BOTH sensors on door while closed but allowing door to be accessed by push plate, card reader or other source. 2. Sets door to open for two way traffic (Entrance and Exit). 3. Sets door to open for one way traffic (Entrance OR Exit).
Bottom	1. Hold Open 2. Full Open 3. Reduced Open	1. Sets door to open and remain open. 2. Sets door to fully open. 3. Sets the door to partially open.

8. There is approximately 4 feet of cable secured inside header for the control panel harness. Withdraw a sufficient amount of harness to reach control panel switches on swing panel.
9. Route control panel wiring harness through hole in bottom of header past swing panel top pivot (See Figure 14 and 15).
10. Position swing panel over bottom pivot. Note panic direction and pivot location in Figure 14.
11. Retract top pivot by pushing retracting pin down and aligning with hole in bottom of header.
12. Allow pivot pin to snap into hole. Make sure it fully engages hole. If necessary, lift up on retracting pin with a screwdriver.

For Pocketed Units, skip to Step 14

13. Pull control panel wiring harness through switch cut-out in stile of sidelite. Connect switch panel and re-install with screws retained earlier.
14. Assemble limit arm (See Figure 16). Rest wheel of limit arm inside upper rail of swing panel. Install red coated screw in factory drilled hole on bottom of header. Use one or two large washers as required.
15. With a 15/16 inch open end wrench, adjust both ball detents so they lightly contact header and track surfaces. Additional travel is available by removing ball detent and using alternate mounting holes (See Figure 17 & 18).
16. Open and close swing panel several times to score both surfaces. Adjust height of ball detent if necessary.

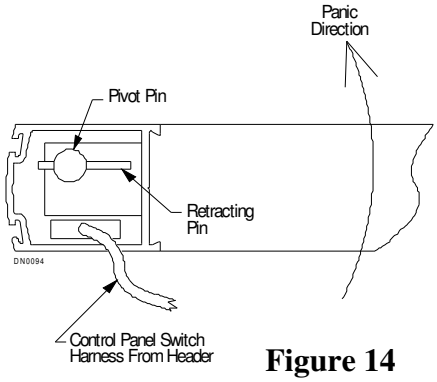


Figure 14

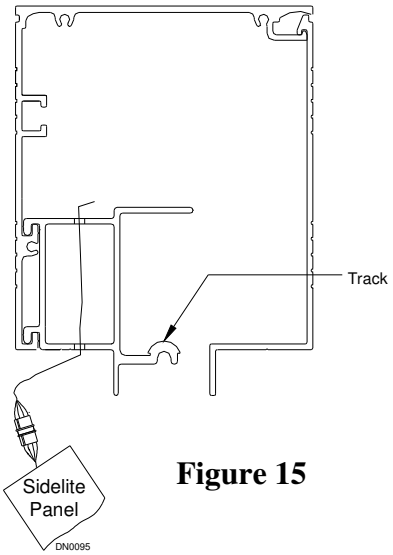


Figure 15

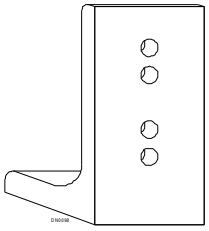


Figure 18

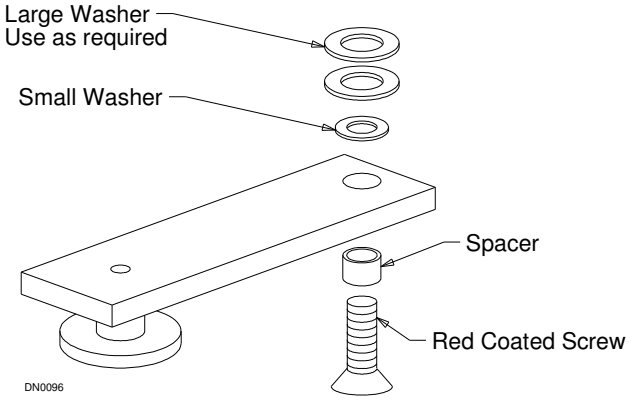


Figure 16

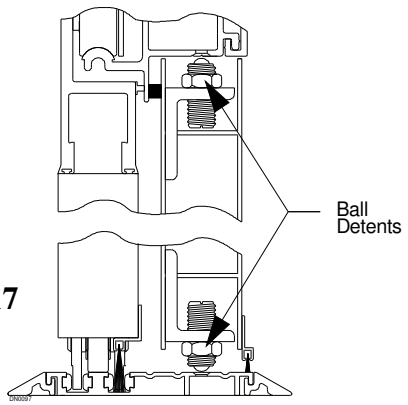


Figure 17

17. Locate point where score marks intersect the first centering groove on bottom of header (closest to outside of header) and the only groove on floor track. Start with a 1/4 inch diameter drill, drill a hole at each location and countersink it to 3/8 inch x 82º. Test fit of ball detent by closing swing panel and breaking it open. Increase hole and countersink size until satisfactory fit is obtained. ***Caution:*** **Do not over-drill the hole.** If the hole is overdrilled the track will need to be replaced.
18. The force provided by ball detent is also adjustable. Remove ball detent and bracket assembly from bottom or top of stile. With a blade screwdriver, tighten or loosen brass cap on rear of ball detent. Reinstall ball detent and bracket assembly into stile. Test and repeat if necessary.
19. Readjust ball detents for proper breakout resistance to meet ANSI A156.10 or local code.

- **For Full Open Units, go to Section H - Pg. 13**

- **For Pocketed Units, continue with Section E - Pg. 11**

E. Installation of Pocketed Fixed Panel

1. Locate Fixed Panel. It will be similar to Swing Panel but without top and bottom ball detents.
2. Remove Control Panel switch assembly from panel. Save screws for reinstallation (See Figure 13).
3. There is approximately 4 feet of cable secured inside header for control panel harness. Withdraw a sufficient amount of harness to reach control panel switches on fixed panel.
4. Route control panel wiring harness into Fixed Panel stile (See Figure 15 Pg. 10). **Note:** Wire harness will go around track, not through it like a Full Open (See Figure 15 & 19).
5. Position Fixed Panel over bottom pivot.
6. Retract top pivot by pushing retracting pin down and aligning with hole in header bracket.
7. Allow pivot pin to snap into hole. Make sure it fully engages hole. If necessary, pry up on retracting pin.
8. Pull control panel wiring harness through switch cutout in stile. Install loose connector (See Figure 20). Connect switch panel and reinstall with screws retained earlier.
9. Locate angle clip in parts box. It will look the same as the factory mounted bracket on the underside of cover.
10. Install this clip into floor track in line with hole on bottom nose of fixed panel. Due to variances in floor heights, it will be necessary to shim clip to meet with hole in stile. Grooves in floor track will assist with any hole drilling (See Figure 21). Fixed Panel will be secured in place with these two brackets at cleanup.

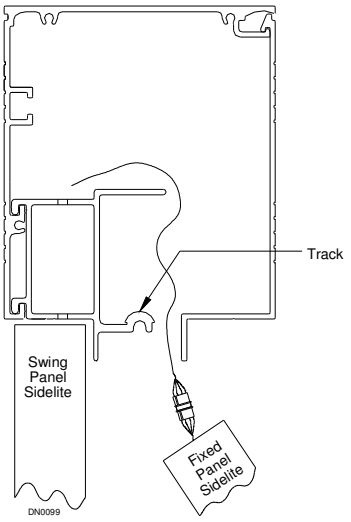


Figure 19

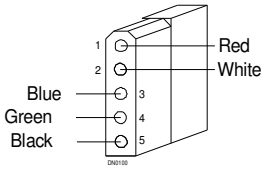


Figure 20

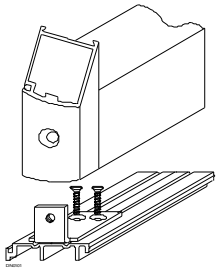


Figure 21

Go to Section H - Pg. 13

F. Installation of Fixed Panel (Fixed Sidelite Units Only)

1. Remove Control Panel Switch Assembly from Fixed Panel (See Figure 13 Pg. 9). Save screws for reinstallation of panel.
2. There are approximately 4 feet of cable secured inside header for control panel harness. Withdraw a sufficient amount of harness to reach control panel switches on Fixed Panel.
3. Locate Fixed Panel near jamb tube. Route control panel harness from bottom of header through top of rear stile and through access cutout.
4. Connect power down harness near front edge of panel to 2 yellow wire harness from header. Push excess harness back into header or hide it in top rail of sidelite.
5. Align back end of fixed panel with brackets on jamb tube. Ensure that no wires are pinched (See Figure 22).
6. Position panel onto brackets and fasten with screws provided.
7. Remove bottom guide cavity cover from bottom of front stile. Save screws for reinstallation (See Figure 24).
8. Install floor bracket into panel with color coordinated 1/4-20 x 1/2 inch screw provided. Plumb panel and mark holes on floor. Drill holes with masonry bit and fasten bracket to floor with plastic anchors and #14 x 1-1/2 inch screws provided (See Figure 23).

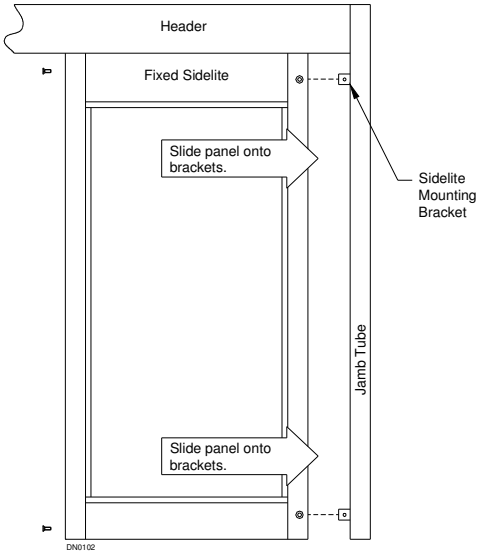


Figure 22

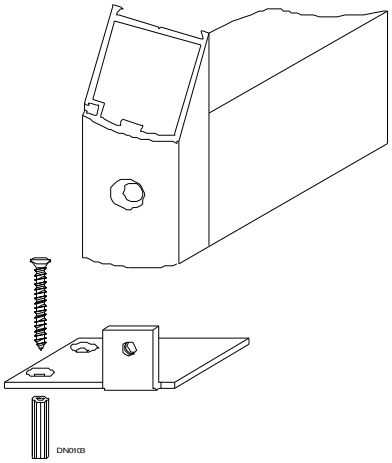


Figure 23

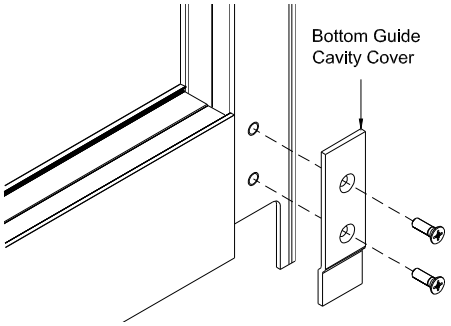


Figure 24

Go to Section H - Pg. 13

G. Installation of Surface Applied Components

1. Locate Control Panel Switch Assembly, blank cover plate and two black countersunk screws in parts box found in header.
2. There are approximately 10 feet of cable secured inside header for control panel harness. It may be installed inside building at customer's discretion or it can be mounted on vertical stile installed in Step 6 (Pg. 12).
3. If inside building location is desired, run the wire into building through a hole drilled into back of header and wall. Be careful to avoid moving parts.
4. If the vertical stile location is desired, run wire through hole provided in header next to mounting bracket.

5. Locate loose connecter in parts box in header and install wires into connector (See Figure 20 Pg. 11).
6. Remove stile mounting screw from bracket in header. Install wall mounted door track to jamb tube by sliding track over plastic mounting block installed on jamb (See Figure 25 and 26).
7. At the same time, angle vertical stile onto brace in header. If control panel switches are to be installed in stile, thread wires down stile at this point. Secure stile with mounting screw.
8. Secure track to building.
9. Remove bottom guide cavity cover from bottom of front stile. Save screws for reinstallation (See Figure 24).
10. Install floor brace into panel with the color coordinated 1/4-20 x 1/2 inch screw. Plumb panel and mark holes on floor. Drill holes with masonry bit, fasten the brace to the floor with plastic anchors and #10 x 1-1/2 inch screws (See Figure 21).
11. If Control Panel Switch Assembly is to be mounted inside the building, use cover and screws to cover the rectangular switch hole in stile. It will be necessary to drill two 1/8 inch diameter holes to mount this blank cover. Otherwise, mount switch assembly in vertical stile at this time.

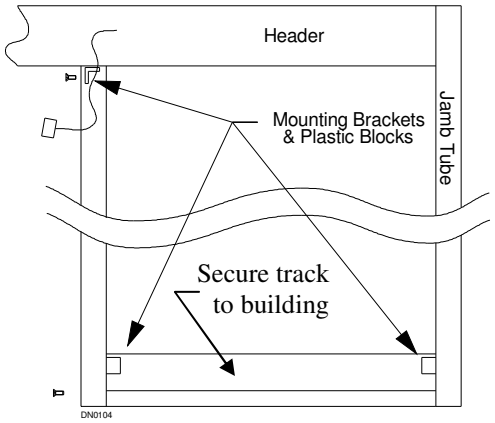
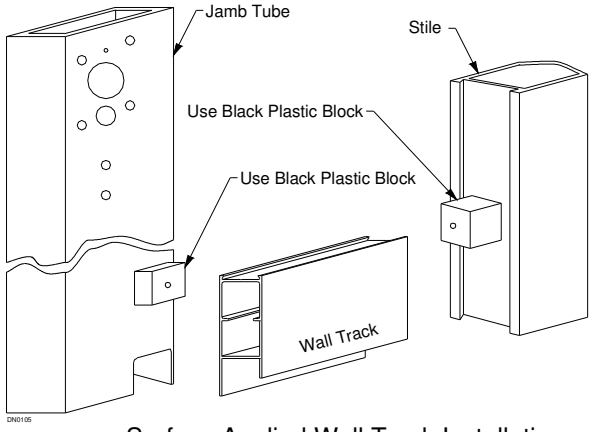


Figure 25



Surface Applied Wall Track Installation

Figure 26

H. Installation of Sliding Door

1. Loosen hanger roller and anti-riser nuts with a 15/16 wrench (See Figure 27).
2. Lift door onto track. By slightly tilting door approach angle it will make it easier to allow rollers to catch track (See Figure 28).

Note: If system is a Full Open or Pocketed unit, it will be necessary to pry up on spring loaded bottom guide on back corner of door to allow door to engage floor track.

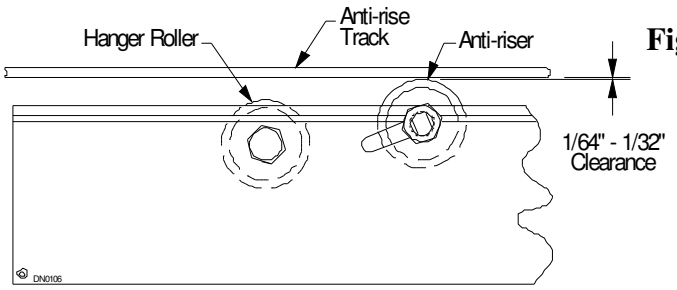


Figure 27

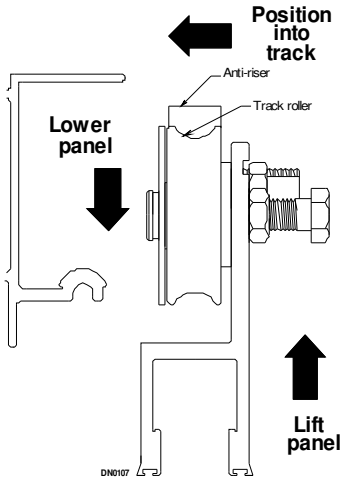


Figure 28

Do not panic door until all adjustments are made and doors are secured.

I. Adjustment of Door

1. Door height from finished floor is adjustable from 1-1/8 inch to 1-3/8 inch (See Figure 29).
2. Place a 15/16 inch wrench on nut of roller. With another 15/16 inch open end wrench, rotate bolt clockwise to raise or lower door.

NOTE: Do not rotate the bolt counterclockwise. As this would unthread the bolt from the roller.

3. Still holding bolt head, secure nut against door carrier. Repeat this process on remaining rollers.
4. Leading edge of doors should meet with no gap between opposite door (or jamb tube in the case of a single unit) at top or bottom. If necessary, readjust height and angle of doors. See Step 2 above.
5. Slide anti-risers up in slot until there is a 1/64 inch to 1/32 inch gap between anti-riser wheel and anti-riser track (See Figure 27). Tighten nut on anti-riser wheel.
6. Attach belt clip(s) using #12 x 3/4 inch self drilling/self tapping screws. Starter mounting holes have been pre-drilled in door carrier. Belt clips should be installed toward leading edge of doors (See Figure 30)
7. Adjust door stop so there is a 3/8 inch gap from face of glass stop to face of sidelite or swing panel (See Figure 31). In some cases, the door stop will be mounted on jamb tube.

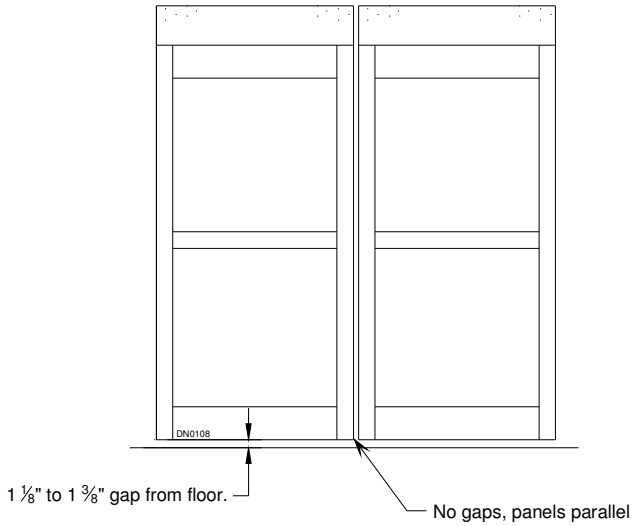


Figure 29

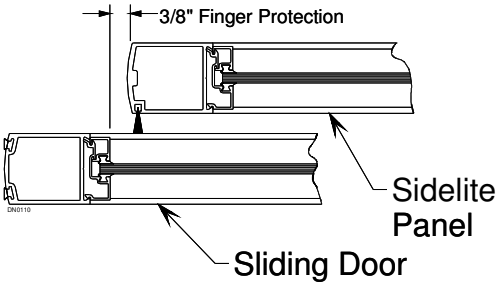


Figure 31

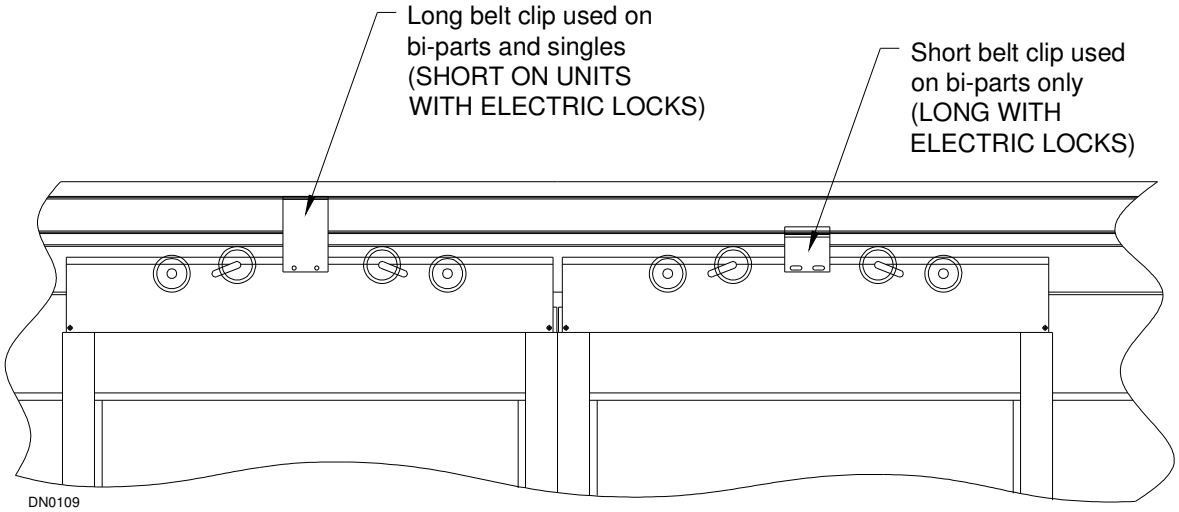


Figure 30

J. Adjusting Door Preload (Glass must be installed!)

1. Panic door open to check door sag (See Figure 32)
2. Loosen two locking bolts on block inside top rail of door (See Figure 33).
3. Adjust door sag by rotating set screw on back edge of door with a 1/8 inch Allen wrench. Door should latch without having to adjust panel. A longer set screw is provided in parts box if required.
4. Retighten locking bolts.

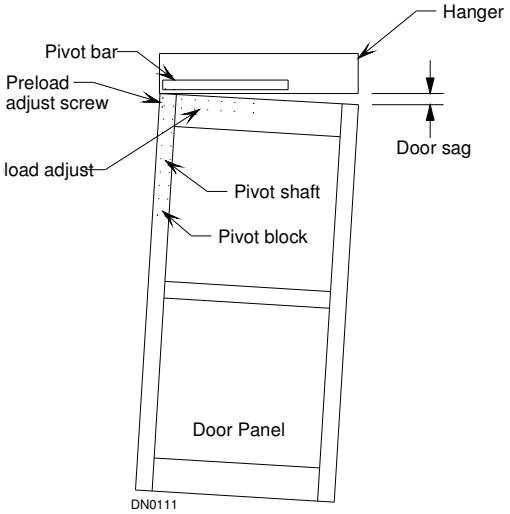


Figure 32

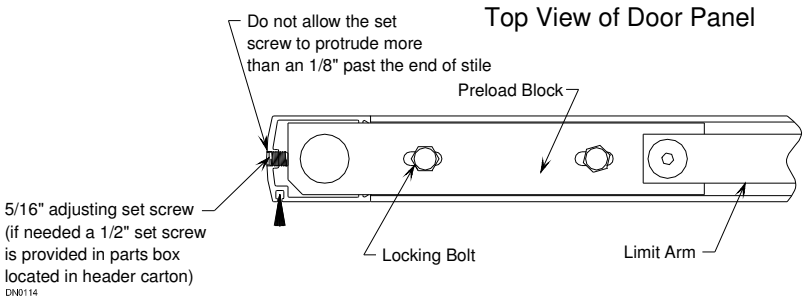


Figure 33

For Fixed Sidelites and Surface Applied units, go to Section L - Pg. 16

K. Adjustment of Interlocks (Full Open and Pocketed)

1. Manually close door(s). If interlocks prevent door(s) from closing, it will be necessary to move them outward and shim behind them.
2. Shims and roll pins were taped to door. Panic door open to access interlocks.
3. Loosen mounting screws and slide interlocks closer to edge of stile. Slide shims under interlocks as needed to ensure proper engagement (See Figure 34). It may be necessary to remove some brush from the back side of interlock with a pair of scissors.
4. When interlock position is correct, drill a 1/8 inch hole through interlock and into stile. Pound a roll pin found in parts box into each hole to lock interlocks in place (See Figure 35).

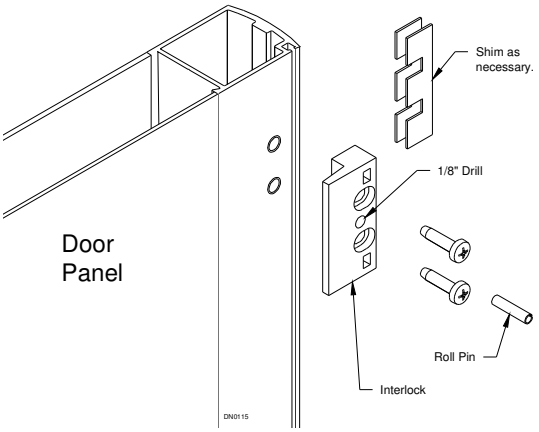


Figure 34

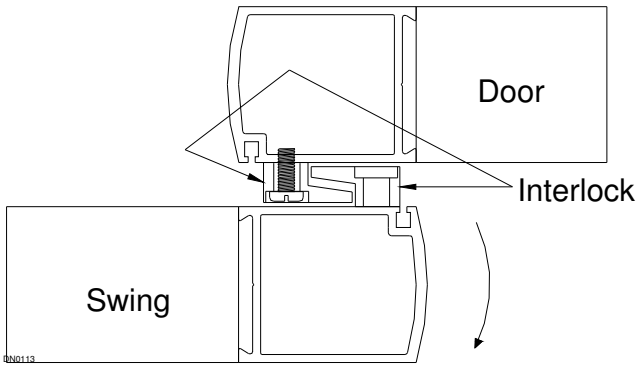


Figure 35

Go to Section M - Pg. 16

L. Installation of Bottom Guide (Fixed Sidelite and Surface Applied ONLY)

1. Locate bottom guide assembly in parts box (See Figure 37). **NOTE:** There is a right hand and left hand bottom guide that will correspond to a right and left door.
2. Panic the door open. Attach bottom guide by using two 1/4-20 x 1 inch hex head bolts and two star washers to pivot stile (See Figure 36).
3. Rotate bottom guide, one roller at a time, into cavity on bottom of fixed sidelite. Replace bottom guide cavity cover removed in Sections F and G.

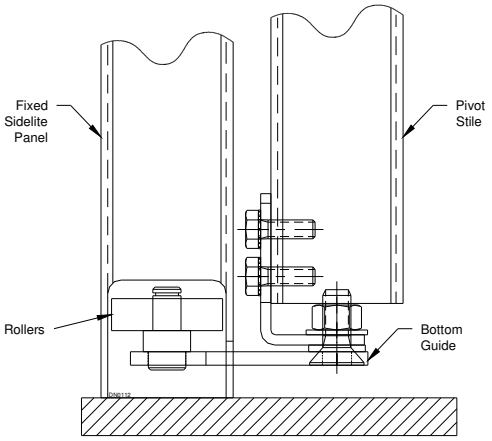


Figure 36

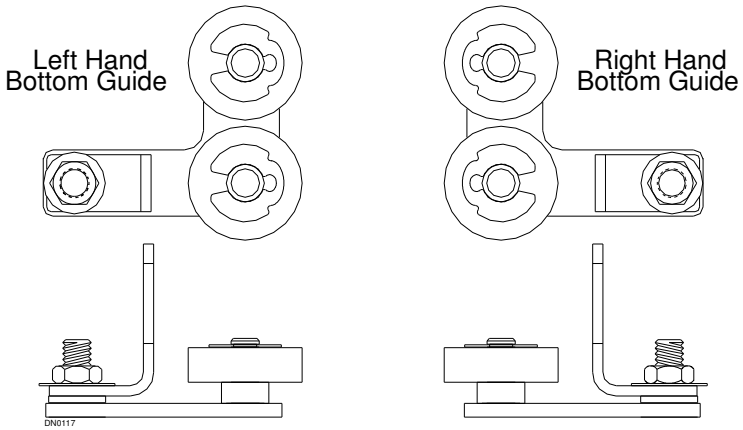
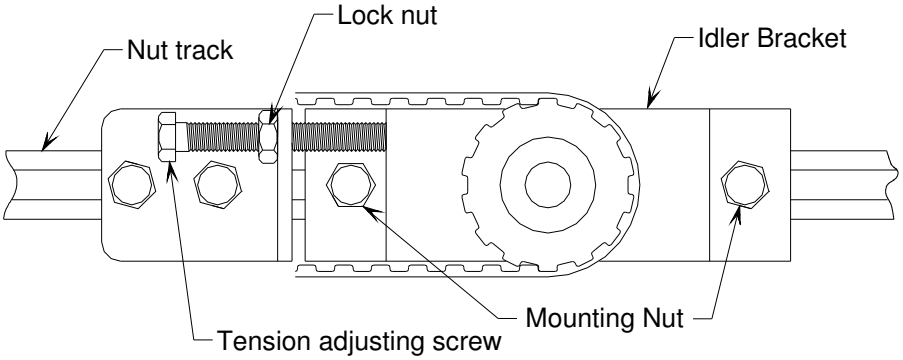


Figure 37

M. Adjusting Belt Tension

NOTE: Belt tension is factory set and should not require any adjustment except for unusual circumstances in header mounting or component adjustment.

1. Loosen mounting nuts on idler bracket (See Figure 38).
2. Loosen lock nut on tension adjustment screw. Turn tension adjustment screw to tighten or loosen belt. The screw should push idler bracket in the header. If idler bracket does not move, loosen the two mounting nuts a few more turns.
3. Tension belt so it is to approximately the same tension as received from factory. **It should not be so taut that it bends drive or idler shafts!** Tighten lock nut on adjustment screw against bracket and secure mounting nuts.



Belt tension is factory set and should not need adjustment

DN0116 DO NOT OVERTIGHTEN BELT

Figure 38

N. Belt Alignment

NOTE: The alignment of the belt is factory set. Flanges on the pulleys will compensate for minor misalignments and keep the belt on the pulleys. If the belt does come off the pulleys, the alignment of the shafts should be checked.

O. Installation of Bottom Sweep and Brushes

1. Slide brush into weathering extrusions. The brush is longer than the extrusion. Excess brush should hang out end of holder at rear of door.
2. Locate "L" shaped weathering brush on outside of door along bottom edge (See Figure 39). Edge of extrusion should end at curve of front edge of door.
3. Mark location of three slots in weathering extrusion on door.
4. Drill a 1/8" dia hole at each mark.
5. Mount weathering on door face using #6 x 1/2 inch self tapping color coordinated screws provided.
6. Due to location of bottom guides, weathering can not cover full length of door bottom. The installer may cut excess brush at end of extrusion or bend excess brush back 90º under door (and over floor track for partial tracks of Full Open and Pocketed units). This will provide additional seal around bottom guides at rear edge of door (See Figure 40).
7. **Full Open and Pocketed units only–** Locate straight extrusion on outside face of swing panel. Shorter brush (1/4" tall) should be installed in swing panel extrusion (See Figure 41). There should not be any excess brush on this weathering. Mark mounting holes and install panel weathering in the same manner as door weathering.

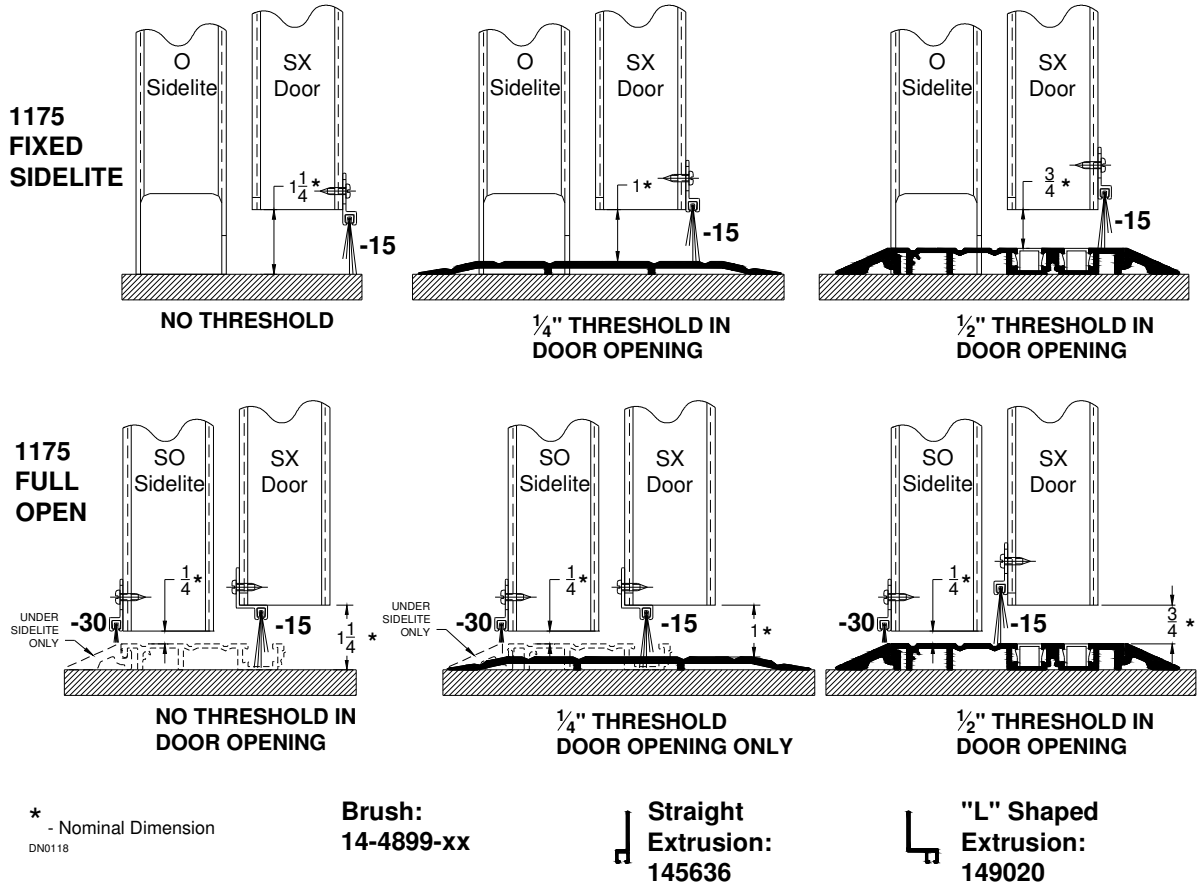


Figure 39

8. **Pocketed units only—**Fixed panel on Pocketed units can be sealed with brush for added weathering protection. It can be installed on the interior of building or inside pocket in same manner as before (See Figure 41)

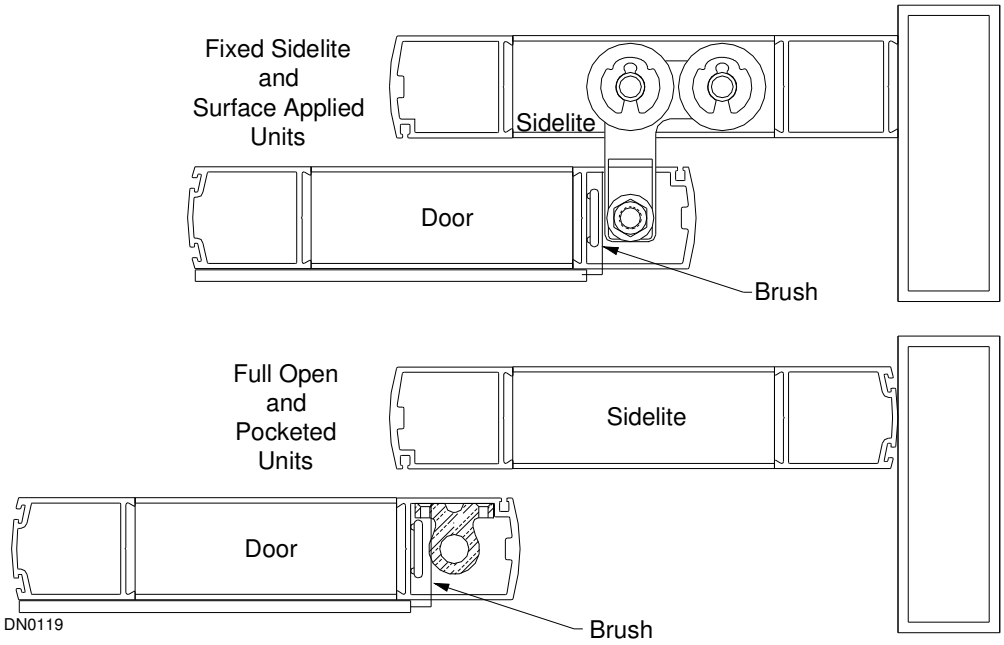


Figure 40

1175 POCKETED

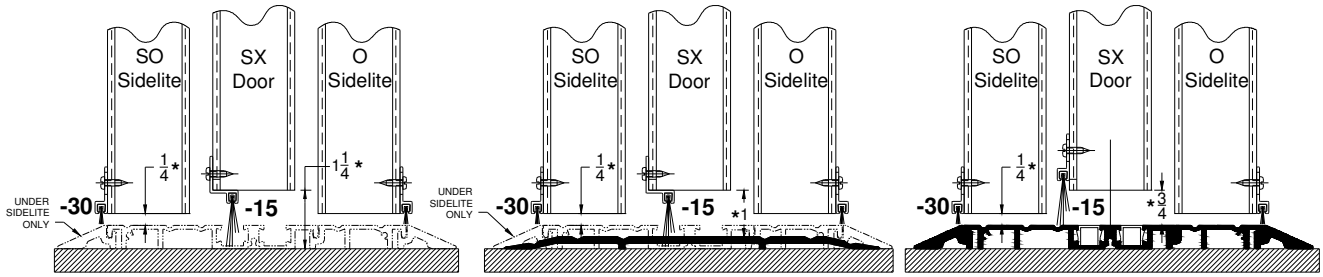


Figure 41

P. Door Panic Adjustment

NOTE: Panic adjustment should be made after glass is installed and door preload is adjusted. The weight of the door with glass installed will affect the amount of force required to panic door open. If force required to panic door is not acceptable, it can be adjusted by performing the following steps.

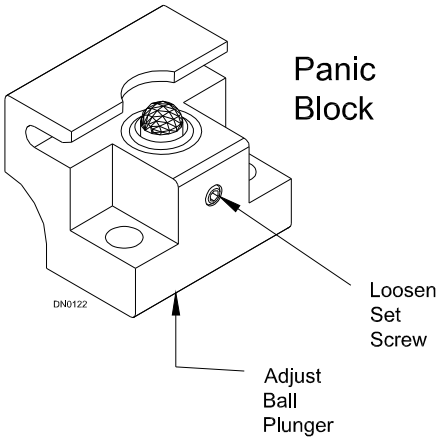


Figure 42

1. Panic door open. This may require slightly lifting the door or a slight hit with a rubber mallet to the top rail approximately three inches from the nose of the door. Protect the surface of the door to prevent damage.
2. Remove panic block in top of door (See Figure 42).
3. Loosen set screw on front of block.
4. Raise or lower ball plunger with screw on underside of block. Adjust plunger for break out resistance to meet ANSI A156.10 or local code.
5. Retighten set screw and reinstall into top of door. Repeat if necessary.

Q. Breakout Magnet

1. **Full Open Units:** Breakout magnet is secured inside top rail of swing panel. It should line up with magnetic reed switch (See Figure 43). Magnetic reed switch is a 3/8" dia. black circle on bottom side of header.
2. **Fixed Sidelite Units:** Magnet is installed inside top rail of door. Place a steel washer on interior side of rail to confirm it is installed. Magnetic reed switch is installed inline with magnet in leading stile of sidelite facing towards door (See Figure 44).

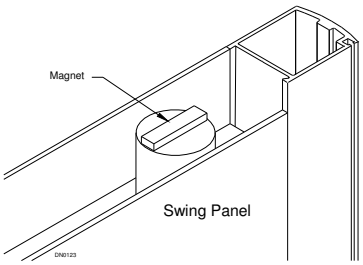


Figure 43

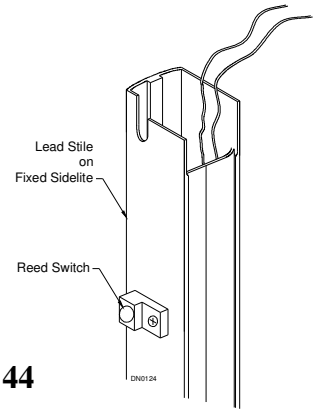


Figure 44

R. Mounting of Sensors

Two identical Acusensors are typically provided with your GT1175 Sliding Door Package. The header is wired from the factory so that the *activation* circuitry on the exterior sensor is turned off in One Way Traffic Mode (the safety circuitry remains active and can not be turned off). The exterior sensor is located on the side of the header in the direction of panic or panel break-out. This can easily be reversed in the field by swapping the connectors where each sensor plugs into the main harness

Note: For units with greater than 72" clear door opening (2) Acumotions are used in place of the Acusensors. For units greater than 92" clear door opening (4) Acusensors are used.

1. Locate sensors provided inside header. The drilling template can be discarded when headers are factory prepped.
2. Carefully pry off cover of either sensor. Route connector from header through access hole in sensor and plug into connector on sensor.
3. Use screws provided inside sensor (in screw holes) to mount sensor to header (See Figure 45).
4. Reinstall cover by snapping into place. If it does not snap into place, the sensor has been mounted to tightly. Loosen mounting screws slightly and try again. If it is not properly secured, the cover may loosen and fall off.
5. Repeat installation for sensor on other side of header.
6. To reverse One Way Traffic Mode, locate connectors mating sensor harnesses to control box harness found under plastic wire cover. Swap connectors and re-secure plastic wire cover. Refer to Manual 15-10596-30 for more information.

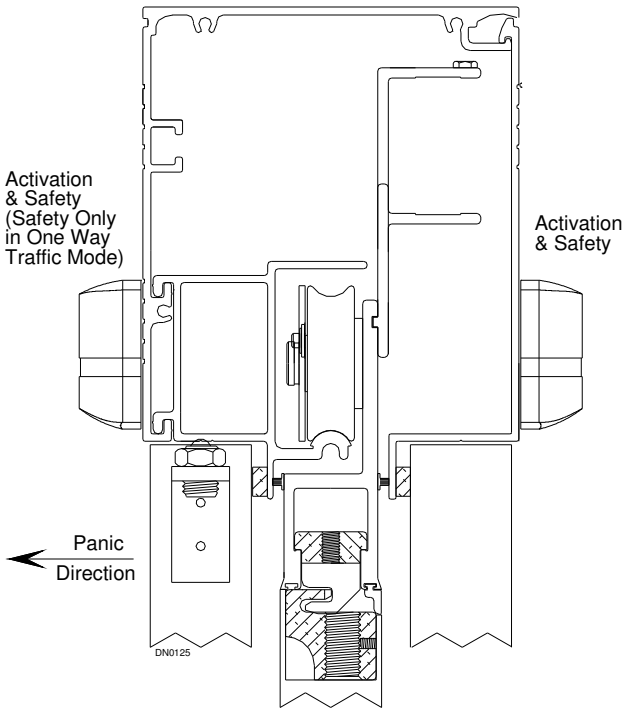


Figure 45

S. Wiring

1. Typical wiring diagrams are found in 15-10596-30 Electrical Installation Manual *Sliders*.

T. Microprocessor Control

1. The Microprocessor Control has been designed to control the numerous operating characteristics of the slide door system including speed, recycling sensitivity and reduced door opening width. It will need to be programmed after installation is complete (See the Microprocessor Manual 15-9000-30 for more details.).

U. Holding Beams

1. The holding beam is a factory installed unit consisting of an emitter and a detector. They are flush mounted in door frames and/or sidelite stiles, facing each other. A pulsed, infrared light beam is continuously transmitted across the door opening. Interruption of the beam causes a relay switch closure. This signal will cause the doors to open and stay open until the object or person is out of the way or, in the case of panic breakout, go into Breakout Mode and shut the unit down. Wiring diagrams for both functions are found in 15-10596-30 Electrical Installation Manual *Sliders*.

V. Electric Lock (Optional)

1. Electric locks are available in two configurations: fail safe and fail secure. These locks will prevent someone from opening the doors until an activation signal is applied to the electric lock. This signal could be from a remote switch, transmitter or activation device on the face of the door. Wiring diagrams for both locks are found in 15-10596-30 Electrical Installation Manual *Sliders*.
2. **Fail Safe:** Allows the door to be manually slid open if power to the door is interrupted.
3. **Fail Secure:** Will not permit the door to be manually opened if power is interrupted. Fail secure cannot be opened until power is restored and the lock receives an activation signal.
4. Neither lock will prevent the panic breakout from working. If it is necessary to prevent panic breakout from working, panic hardware must be fitted to sliding panels.
5. Each electric lock is factory installed and wired into the control box. The only adjustments required will be to the strike mounted in the header. It may be necessary to loosen the strike mounting bolts and slide the strike to align with the latch bolt in the fully closed position (See Figure 46).

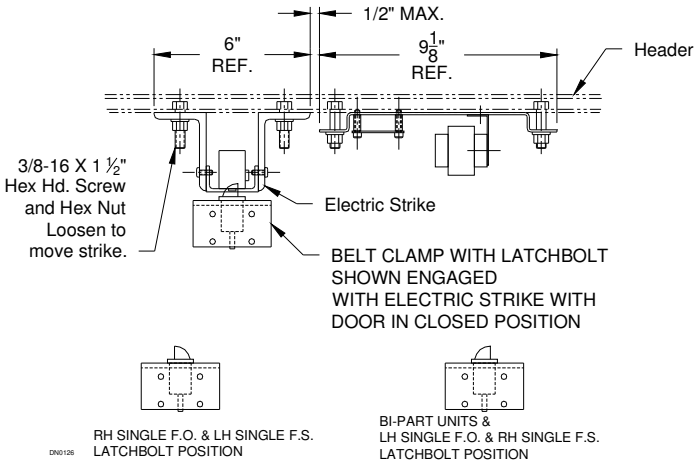


Figure 46

W. Transom

1. Attach transom clips to top of header using #8 x 1 1/2" Long screws provided (See Figure 47 & 48).
2. Attach transom verticals to transom clips (attached to header) using 1/4-20 x 1 inch long screws provided (See Figure 48).
3. Install screw down glass stop in-line with glass pocket in jamb tube (See Figure 47).
4. Attach the horizontal transom tube to the vertical jamb tubes using the #8 x 1 inch long screws provided (See Figure 48).
5. Secure the vertical transom tubes to the horizontal transom tube using the #8 x 1 inch long screws provided (See Figure 48)

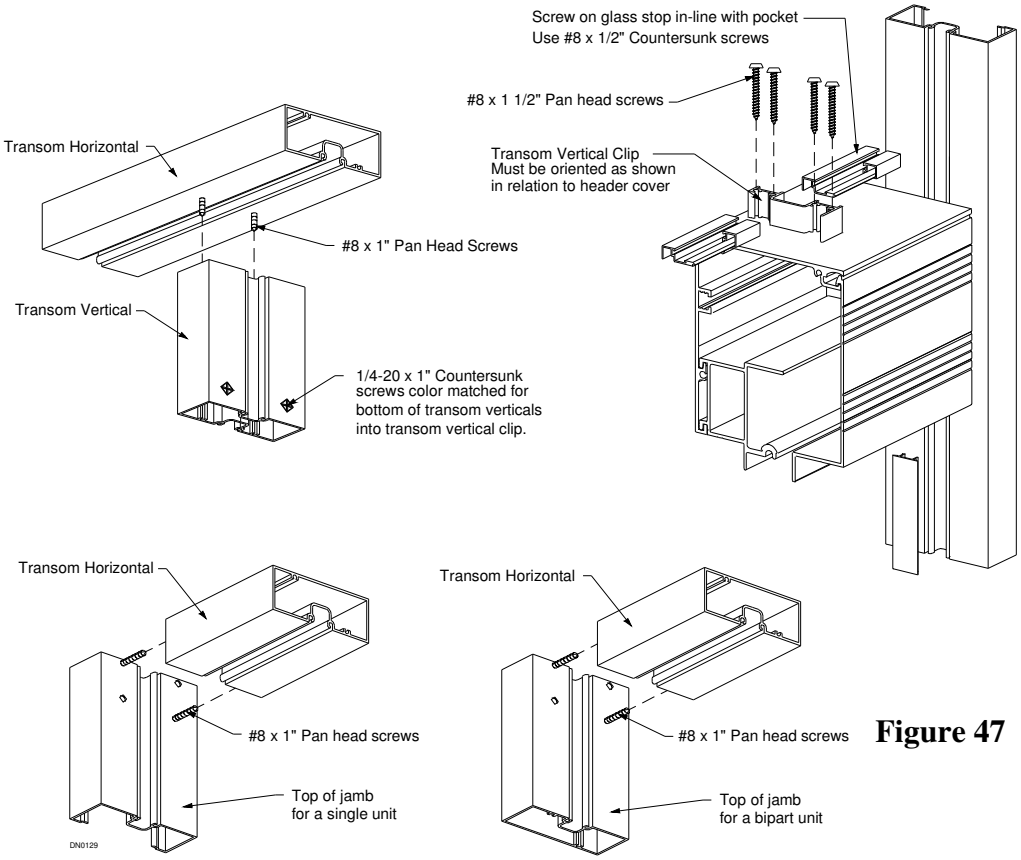


Figure 47

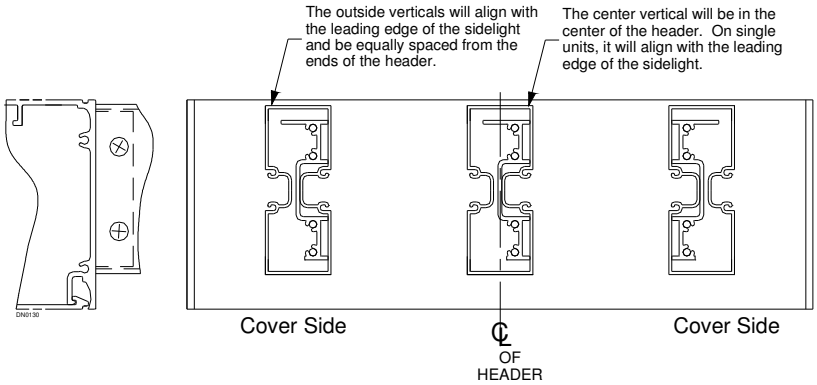


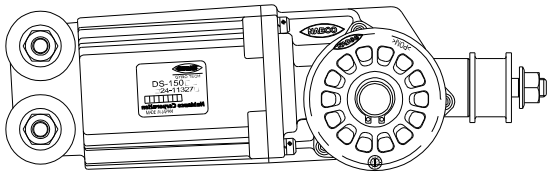
Figure 48

Orientation of Transom Clips and Glass Pockets for 1, 2 or 3 Verticals

X. Troubleshooting

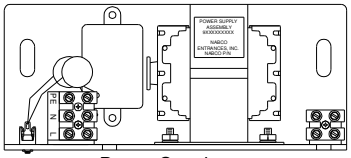
1. A list of possible problems and their solutions can be found in 15-10596-30 Electrical Installation Manual *Sliders*.

Y. Replacement Parts



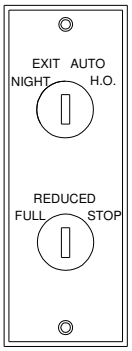
Motor / Operator Assy.
24-11327

Ball Detent
Assembly
12-9082



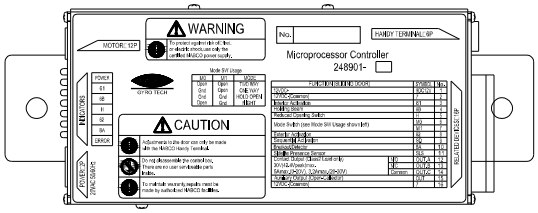
Power Supply
14-11741

Rocker Switches
21-9821

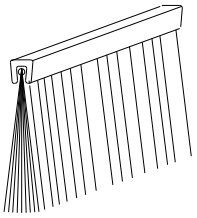


Key Switches
21-9820

Weathering Pile
½" 14-2279-05

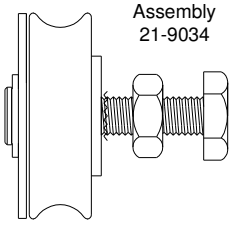


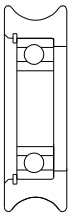
MIcroprocessor Control Box
24-8901-30



Weathering Brush
1" 14-4899-15
¼" 14-4899-30
½" 14-4899-60

Door Roller
Assembly
21-9034

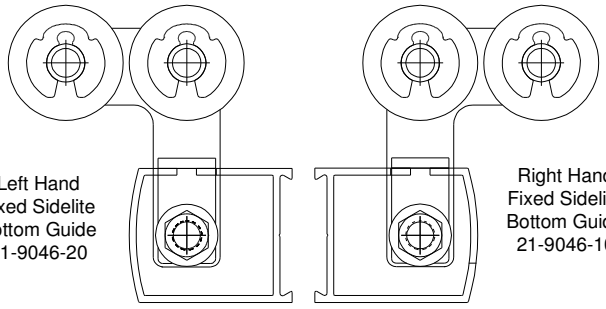




Door
Roller/Cover
24-8830

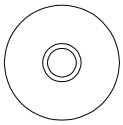
Magnet Sensor
(Not Shown)
22-9222

Threshold Bumper
14-9019

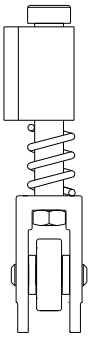


Left Hand
Fixed Sidelite
Bottom Guide
21-9046-20

Right Hand
Fixed Sidelite
Bottom Guide
21-9046-10



Roller Asembly
Fixed Sidelite or Full Open
14-9045-01 Narrow Stile
Full Open Only
14-9045-02 Medium Stile



Full Open
Bottom Guide
21-9053-01 Narrow Stile
21-9053-02 Medium Stile

DN0291